

FORM PTO-1449 (Rev. 2-32)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE						ATTY. DOCKET NO.	SERIAL NO.
								5515	09/158,549
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						APPLICANT	John S. HENDRICKS et al.
								FILING DATE	GROUP
								September 22, 1998	2711

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
0-V	AA	5	3	5	7	2	7	6	10/18/94	Banker et al.			
	AB	4	7	1	2	1	0	5	12/8/87	Kohler			
	AC	5	2	5	3	0	6	6	10/12/93	Vogel			
	AD	5	1	3	0	7	9	2	7/14/92	Tindell et al.			
	AE	5	1	5	2	0	1	1	9/29/92	Schwob			
	AF	4	9	9	6	5	9	7	2/26/91	Duffield			
	AG	5	3	4	1	1	6	6	8/23/94	Garr et al.			
	AH	4	7	0	6	1	2	1	11/10/87	Young			
	AI	4	9	2	8	1	6	8	5/22/90	Iwashita			
	AJ	5	1	4	4	6	6	3	9/1/92	Kudelski et al.			
0-V	AK	5	1	0	5	2	6	8	4/14/92	Yamanouchi et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER						DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AE	3	1	1	4	3	7	5	5/15/91	Japan				
	AM	3	9	3	5	2	9	4	4/25/91	Germany				
	AN	4	2	0	1	2	3		4/3/91	EPO				
	AO	6	2	2	4	7	7	7	2/2/87	Japan				
	AP	1	1	3	0	6	8	3	6/23/89	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	Reimer, "Memories in my Pocket", February 1991.	
AR	Olshansky et al., "Subscriber Distribution Networks Using Compressed	
	Digital Video", November 1992.	
AS	Dinaro, et al., "Markets and Products Overview", 1991.	
EXAMINER	Dimitri Tundra	DATE CONSIDERED 3.2.02.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>J - F</i>	BA	4 9 4 7 4 2 9	8/7/90	Bestler et al.			
	BB	5 0 9 3 7 1 8	3/3/92	Hoarty et al.			
	BC	5 0 4 6 0 9 3	9/3/91	Wachob			
	BD	5 0 2 0 1 2 9	5/28/91	Martin et al.			
	BE	4 7 9 2 9 7 2	12/20/88	Cook, Jr.			
	BF	5 0 7 7 6 0 7	12/31/91	Johnson et al.			
	BG	4 9 7 5 9 5 1	12/4/90	Bennett			
	BH	4 8 6 0 3 7 9	8/22/89	Schoeneberger et al.			
	BI	4 4 8 4 2 1 7	11/20/84	Block et al.			
	BJ	5 0 9 1 7 8 2	2/25/92	Krause et al.			
<i>J - F</i>	BK	5 0 5 7 9 1 7	10/15/91	Shalkauser et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	BL 9 2 1 7 0 2 7	10/1/92	PCT			
	BM 9 1 0 0 6 7 0	1/10/91	PCT			
	BN 4 2 4 6 4 8	5/2/91	EPO			
	BO 5 0 6 4 3 5	9/30/92	EPO			
	BP 4 0 2 8 0 9	12/19/90	EPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BQ	Advertisement, "Hong Kong Enterprise", November 1988	
BR	Advertisement, "Great Presentations", 1987	
BS	Advertisement, "Consumer Dist.", Fall/Winter 1992	

EXAMINER	DATE CONSIDERED
<i>S. J. Ankitiendra</i>	32.07.

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U.S. PATENT DOCUMENTS

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<i>D.V</i>	CA	5	0	4	9	9	9	0	9/17/91	Kondo et al.				
	CB	4	8	1	6	9	0	1	3/28/89	Music et al.				
	CC	4	6	8	8	2	4	6	8/18/87	Eilers et al.				
	CD	4	9	4	9	1	8	7	8/14/90	Cohen				
	CE	4	9	9	5	0	7	8	2/19/91	Monslow et al.				
	CF	5	0	2	7	4	0	0	6/25/91	Baji et al.				
	CG	5	1	7	2	4	1	3	12/15/92	Bradley et al.				
	CH	5	2	0	6	7	2	2	4/27/93	Kwan				
	CI	5	2	4	7	3	4	7	9/21/93	Litteral et al.				
	CJ	5	1	6	6	8	8	6	11/24/92	Molnar et al.				
<i>D.V</i>	CK	5	2	2	3	9	2	4	6/29/93	Strubbe				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
														YES	NO
	CL	8	6	0	1	9	6	2	3/27/86	PCT					
	CM	8	9	0	9	5	2	8	10/5/89	PCT					
	CN	9	2	2	1	2	0	6	11/26/92	PCT					
	CO	9	0	1	0	9	8	8	9/20/90	PCT					
	EP	1	8	7	9	6	1		7/23/86	EPO					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CQ	van den Boom, "Interactive Videotex. . .", Nov.-Dec. 1986.										
CR	Moloney, "Digital Compression in Today's. . .", June 6, 1993										
CS	Bestler, "Flexible Data Structures. . .", June 6, 1993										

EXAMINER <i>Dimitri Rundra</i>	DATE CONSIDERED <i>3.7.02</i>
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		FILING DATE September 22, 1998		GROUP 2711	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	5 2 8 9 2 7 1	2/22/94		Watson			
DB	4 9 5 9 8 1 0	9/25/90		Darbee et al.			
DC	4 4 8 8 1 7 9	12/11/84		Kruger et al.			
DD	4 9 7 7 4 5 5	12/11/90		Young			
DE	5 1 5 1 7 8 9	9/29/92		Young			
DF	3 0 1 0 3 7	5/9/89		Matsuda			
DG	3 1 4 3 8 3	2/5/91		Hafner			
DH	3 2 5 5 8 1	4/21/92		Schwartz			
DI	3 2 9 2 3 8	9/8/92		Grasso et al.			
DJ	3 3 1 7 6 0	12/15/92		Renk, Jr.			
DK	5 0 1 5 8 2 9	5/14/91		Eilert et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DL	1 1 4 2 9 1 8	6/8/89		Japan			
DM	3 5 5 6 9 7	2/28/90		EPO			
DN	4 2 5 8 3 4	5/8/91		EPO			
DO	5 1 3 7 6 3	11/19/92		EPO			
DP	3 1 9 8 1 1 9	8/29/91		Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DQ	Sharpless, "Subscription Teletext for Value Added Services", August
	1985.
DR	Gelman et al., "A Store-and Forward. . .", June 21, 1991.
DS	Hewlett Packard Co., "HP-41C Operating Manual", December, 1982

EXAMINER	DATE CONSIDERED
Sunitra Tundra	3.2.02

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
D	N	EA	5	2	0	2	8	1	7	4/13/93	Koenck et al.			
D	T	EB	5	2	5	3	2	7	5	10/12/93	Yurt et al.			
	EC	EC	5	2	8	3	6	3	9	2/1/94	Esch et al.			
	ED	ED	5	3	4	5	5	9	4	9/6/94	Tsuda			
	EE	EE	5	4	1	6	5	0	8	5/16/95	Sakuma et al.			
	EF	EF	4	9	6	1	1	0	9	10/2/90	Tanaka			
	EG	EG	4	8	2	9	5	5	8	5/9/89	Welsh			
	EH	EH	5	1	3	3	0	7	9	7/21/92	Ballantyne et al.			
	EI	EI	5	3	5	5	1	6	2	10/11/94	Yazolino et al.			
	EJ	EJ	5	1	8	2	6	3	9	1/26/93	Jutamulia et al.			
D	EV	EK	5	1	3	2	7	8	9	7/21/92	Ammon et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	EL	9	2	1	2	5	9	9	7/23/92	PCT				
	EM	2	1	6	8	2	2	7	6/11/86	Great Britain				
	EN	2	0	4	4	5	7	4	12/14/92	Canada				
	EO	5	2	5	0	1	0	6	9/28/93	Japan (Abstract)				
	EP	6	1	0	6	0	1	5	3/27/86	Japan (Abstract)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EQ	Sorce, et al., "Human Factors In Telecommunications," September 1990												

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<i>G. Martin</i>	3.2.02

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EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
J, G	FA	4	8	7	6	7	3	6	10/24/89	Kiewit			
	PR	5	2	9	3	5	4	0	3/8/94	Trani et al.			
	FC	5	0	0	1	5	5	4	3/19/91	Johnson et al.			
	FD	5	4	1	0	3	2	6	4/25/95	Goldsetin			
	FE	5	0	4	7	8	6	7	9/10/91	Strubbe et al.			
	FF	5	3	5	3	1	2	1	10/4/94	Young et al.			
	FG	5	4	1	4	4	2	6	5/9/95	O'Donnell et a.			
	FH	5	4	0	4	3	9	3	4/4/95	Remillard			
	FI	5	2	3	7	3	1	1	8/17/93	Mailey et al.			
	FJ	5	0	7	8	0	1	9	1/27/92	Aoki			
J, F	FK	5	4	1	0	3	4	4	4/25/95	Graves et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
													YES	NO	
	FL	2	4	3	3	1	2		10/28/87	EPO					
	FM	9	3	2	2	8	7	7	11/11/93	PCT					
	FN	9	2	2	1	2	0	6	11/26/92	PCT					
	FO	9	1	0	0	6	7	0	1/10/91	PCT					
	FP	8	1	0	3	1	1	2	3/7/91	PCT					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

G. Smith

DATE CONSIDERED

3.2.02

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>J. T.</i>	GA	5	1	5	5	5	9	1	10/13/92	Wachob				
	GB	5	4	3	2	5	4	2	7/11/95	Thibadeau et al.				
	GC	5	0	3	6	5	3	7	7/30/91	Jeffers et al.				
	GD	5	3	2	3	2	4	0	6/21/94	Amano et al.				
	GE	5	3	6	7	5	7	1	11/22/94	Bowen et al.				
	GF	4	3	6	1	8	4	8	11/30/82	Poignet et al.				
	GG	5	2	6	0	7	7	8	11/9/93	Kauffman et al.				
	GH	3	8	9	1	7	9	2	6/24/75	Kimura				
	GI	5	0	3	6	3	9	4	7/30/91	Morii et al.				
	GJ	4	6	3	9	2	2	5	1/27/87	Washizuka				
<i>Z. T.</i>	GK	4	8	2	9	5	6	9	5/9/89	Seth-Smith et al.				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO
	GL	9	2	1	1	7	1	3	7/9/92	PCT				
	GL	1	2	0	4	1	9	0	9/3/70	Great Britain				
	GM	3	4	2	3	8	4	6	1/9/86	Germany				
	GN	2	3	4	2	2	3		11/11/94	Taiwan				
	GO	2	3	6	0	6	5		12/11/94	Taiwan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	<i>John</i>	DATE CONSIDERED	<i>3.3.02</i>
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Sheet 8 of 14

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>J, r</u>	HA	4	6	0	5	9	6	4	8/12/86	Chard			
	HB	4	6	8	8	2	1	8	8/18/87	Blineau et al.			
	HC	5	1	5	1	7	8	2	9/29/92	Ferraro			
	HD	5	2	0	6	9	5	4	4/27/93	Inoue et al.			
	HE	5	3	4	3	2	3	9	8/30/94	Lappington et al.			
	HF	5	3	2	7	5	5	4	7/5/94	Palazzi, III et al.			
	HG	4	7	2	4	4	9	1	2/9/88	Lambert			
	HH	5	3	7	5	0	6	8	12/20/94	Plamer et al.			
	HI	5	2	1	6	5	1	5	6/1/93	Steele et al.			
	HJ	5	3	3	9	3	1	5	8/16/94	Maeda et al.			
<u>J, r</u>	HK	4	6	9	7	2	0	9	9/29/87	Kiewit et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER						DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO
	HL	2	3	5	3	5	9	12/1/94	Taiwan				
	HM	2	3	5	3	5	8	12/1/94	Taiwan				
	HN	2	3	6	7	4	4	12/21/94	Taiwan				
	HO	2	3	8	4	6	1	4/23/92	Taiwan				
	HP	1	6	7	2	3	7	1/8/86	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED	
<u>dm</u>	3302	

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<i>D.R.</i>	IA	5	4	8	1	2	9	4	1/2/96	Thomas et al.			
	IB	5	4	7	3	3	6	2	12/5/95	Fitzgerald			
	IC	5	1	5	0	1	1	8	9/22/92	Finkle et al.			
	ID	5	4	7	9	2	6	8	12/26/95	Young et al.			
	IE	5	3	4	1	4	7	4	8/23/94	Gelman et al.			
	IF	5	3	1	9	4	5	5	6/7/94	Hoarty et al.			
	IG	5	4	7	7	2	6	3	12/19/95	O'Callaghan et al.			
	IH	5	0	1	4	1	2	5	5/7/91	Pocock et al.			
	II	5	1	3	2	9	9	2	7/21/92	Yurt et al.			
	IJ	4	5	1	7	5	9	8	5/14/85	VanValkenburg et al.			
<i>D.R.</i>	IK	4	5	8	7	5	2	0	5/6/86	Astle			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER						DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	IL	1	4	9	5	3	6	1/18/84	EPO					
	IM	1	5	8	5	4	8	10/16/85	EPO					
	IN	1	4	5	0	6	3	6/19/85	EPO					
	IO	1	0	3	4	3	8	3/21/84	EPO					
	IP	3	9	9	2	0	0	11/28/90	EPO					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Dinner

DATE CONSIDERED

3.3.02.

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<i>J. F.</i>	JA	5	5	1	5	0	9	8	5/7/96	Carles	
	JB	5	4	1	2	4	1	6	5/2/95	Nemirofsky	
	JC	5	4	0	0	4	0	1	3/21/95	Wasilewski et al.	
	JD	5	2	8	5	2	7	2	2/8/94	Bradley et al.	
	JE	5	4	4	6	9	1	9	8/29/95	Wilkins	
	JF	5	4	4	2	6	2	6	8/15/95	Wei	
	JG	5	4	8	1	5	4	2	1/2/96	Logston et al.	
	JH	5	4	8	1	2	9	6	1/2/96	Craquin et al.	
	JI	5	3	5	1	0	7	5	9/27/94	Herz et al.	
	JJ	5	4	8	3	2	7	8	1/9/96	Strubbe et al.	
<i>J. F.</i>	JK	5	4	6	9	2	0	6	11/21/95	Strubbe et al.	

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		DOCUMENT NUMBER				DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
							YES	NO				
	JL	4	5	0	8	4	1	10/9/91	EPO			
	JM	2	2	4	5	1	6	7	3/31/89	Japan		
	JN	2	1	7	7	8	7	3	1/28/87	Great Britain		
	JO	2	1	4	0	1	3	4	6/23/87	Japan		
	JP	2	8	1	2	9	3		9/7/88	EPO		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Sturm

DATE CONSIDERED

030302

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				FILING DATE September 22, 1998	GROUP 2711

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KA	5 3 1 9 7 0 7	6/7/94		Wasilewski et al.			
KB	5 2 4 2 7 7 0	6/13/95		Schmelzer et al.			
KC	4 6 9 4 4 9 0	9/15/87		Harvey et al.			
KD	4 4 6 5 8 2 5	10/23/90		Harvey et al.			
KE	4 5 2 8 6 4 3	7/9/85		Freeny, Jr.			
KF	5 2 3 7 6 1 0	8/17/93		Gammie et al.			
KG	4 7 1 2 1 3 0	12/8/87		Casey			
KH	5 2 8 2 0 2 8	1/25/94		Johnson et al.			
KI	5 6 4 4 3 5 4	7/1/97		Thompson et al.			
KJ	5 5 7 0 1 2 6	10/29/96		Blahut et al.			
KK	5 6 6 1 5 1 6	8/26/97		Carles			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
KL	5 1 3 5 5 3		11/19/92	EPO			
KM	5 7 0 7 8 5		11/24/93	EPO			
KN	3 2 8 4 4 0		8/8/89	EPO			✓
KO	1 0 2 0 4 5 4		1/30/89	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

John S. HENDRICKS

DATE CONSIDERED

030302

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FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 5515	SERIAL NO. 09/158,549
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT John S. HENDRICKS et al.	
(Use several sheets if necessary)		FILING DATE September 22, 1998	GROUP 2711

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
J. M.	LA 5 7 2 4 0 9 1	3/3/98	Freeman et al.			
	LB 5 3 4 3 5 1 6	8/30/94	Callele et al.			
	LC 4 8 0 5 0 1 4	2/14/89	Sahara et al.			
	LD 4 3 8 1 5 2 2	4/26/83	Lambert			
	LE 5 5 0 0 7 9 4	3/19/96	Fujita et al.			
	LF 5 2 5 3 3 4 1	10/12/93	Rozmanith et al.			
	LG 5 0 7 3 9 3 0	12/17/91	Green et al.			
	LH 5 0 7 5 7 7 1	12/24/91	Hashimoto			
	LI 5 6 9 6 9 0 6	12/9/97	Peters et al.			
	LJ 5 1 0 3 3 1 4	4/7/92	Keenan			
J. V.	LK 5 4 0 4 5 0 5	4/4/95	Levinson			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT John S. HENDRICKS et al.	
				FILING DATE September 22, 1998	GROUP 2711

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>J. F.</u>	MA	5 3 9 0 3 4 8	2/14/95	Magin et al.			
	MB	4 3 9 8 2 1 6	8/9/83	Field et al.			
	MC	4 6 3 3 4 6 2	12/30/86	Stifle et al.			
	MD	5 3 6 5 2 6 5	11/15/94	Shibata et al.			
	ME	5 3 9 6 5 4 6	3/7/95	Remillard			
	MF	5 4 6 1 6 6 7	10/24/95	Remillard			
	MG	5 5 6 1 7 0 8	10/1/96	Remillard			
	MH	5 5 6 1 7 0 9	10/1/96	Remillard			
	MI	5 3 4 9 6 3 8	9/20/94	Pitroda et al.			
	MJ	5 4 4 0 6 3 2	8/8/95	Bacon et al.			
<u>Y. T.</u>	MK	5 0 5 6 1 3 8	10/8/91	Tyson, Sr.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

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